

Appl. No. 09/732,568
Amdt. Dated June 9, 2004
Reply to Office action of February 25, 2004

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Listing of Claims:

Claims 1-4 (cancelled)

Claim 5 (currently amended) ~~The A system in accordance with claim 1 wherein for general purpose interactive notifications comprising~~

a plurality of server computers each including a notification service provider,

a client computer including an object based contact system employing lists, said object based contact system employing lists includes including a first manager for communicating with said notification service providers of said server computers and a contact manager for managing contact objects and smart events forwarded to it by said first manager, said smart events including both state information on client data items and also program instructions that specify how the object based contact system responds to said smart events, and

a net work interconnecting said server computers and said client computer.

Claim 6 (original) The system in accordance with claim 5 wherein said first manager authenticates users to said notification service providers and receives contact objects and smart events from said notification service providers.

Claim 7 (currently amended) The system in accordance with claim 6 wherein

a contact object includes a service identification, a contact identifier of the contact object, a service subscription description, the network address of a notification service provider, and

a smart event containing contains the current state of the subscription service.

Claim 8 (currently amended) The system in accordance with claim 8 ~~5~~ wherein said smart ~~event-events~~ further ~~includes include~~ an event identifier, identification of the subscription service, response program instructions, and a response address specifying the network address of the notification service provider which is to receive a response object.

Claim 9 (currently amended) The system in accordance with claim ~~4~~ 5 wherein said notification service provider comprises a subscription request handler and a response listener, both connected to said network, a connect and smart event dispatcher, a subscription controller, and a data object monitor connected to said network.

Claim 10 (currently amended) A method for notification service data flow in a general purpose interactive notification system including a client computer having an object based contact system employing lists (OBCL) and a plurality of server computers each including a notification service provider (NP), said method comprising the steps of:

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said OBCL connecting to said NP, sending data regarding the capabilities of said client computer to said NP, sending a subscription identifier to said NP, and sending a contact identifier to said NP, and

said NP sending notifications to said OBCL whenever state updates occur on the data items that comprise the subscription contents of said OBCL said notifications including smart events and said smart events including both state information on subscriber data items and also program instructions that specify how said OBCL responds to each smart event.

Claim 11 (cancelled)